

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/559, 711  
Source: JFWP  
Date Processed by STIC: 02/10/2007

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 02/10/2007

PATENT APPLICATION: US/10/559,711

TIME: 09:52:26

Input Set : A:\19413\seqlist.txt

Output Set: N:\CRF4\02102007\J559711.raw

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3 <110> APPLICANT: Croker, Ben
4   Roberts, Andrew
5   Metcalf, Don
6   Alexander, Warren
7   Hilton, Doug
8   Nicola, Nicos
10 <120> TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS WHICH MODULATE
11   GRANULOCYTE-COLONY STIMULATING FACTOR (G-CSF) DEPENDENT
12   PROCESSES BY MODULATION OF THE LEVELS OF SUPPRESSOR OF
13   CYTOKINE SIGNALING (SOCS)
15 <130> FILE REFERENCE: 19413
17 <140> CURRENT APPLICATION NUMBER: 10/559,711
18 <141> CURRENT FILING DATE: 2005-12-05
20 <160> NUMBER OF SEQ ID NOS: 4
22 <170> SOFTWARE: PatentIn version 3.1
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25 <211> LENGTH: 682
26 <212> TYPE: DNA
27 <213> ORGANISM: human
29 <220> FEATURE:
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31 <222> LOCATION: (1)..(678)
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38 gac acc agc ctg cgc ctc aag acc ttc agc tcc aag agc gag tac cag      96
39 Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser Glu Tyr Gln
40          20          25          30
42 ctg gtg gtg aac gca gtg cgc aag ctg cag gag agc ggc ttc tac tgg      144
43 Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly Phe Tyr Trp
44          35          40          45
46 agc gca gtg acc ggc ggc gag gcg aac ctg ctg ctc agc gcc gag ccc      192
47 Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu Leu Ser Ala Glu Pro
48          50          55          60
50 gcc ggc acc ttt ctg atc cgc gac agc tcg gac cag cgc cac ttc ttc      240
51 Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg His Phe Phe
52 65          70          75          80
54 acg ctc agc gtc aag acc cag tct ggg acc aag aac ctg cgc atc cag      288
55 Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu Arg Ile Gln
56          85          90          95
58 tgt gag ggg ggc agc ttc tct ctg cag agc gat ccc cgg agc acg cag      336
59 Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg Ser Thr Gln

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60          100          105          110
63 ccc gtg ccc cgc ttc gac tgc gtg ctc aag ctg gtg cac cac tac atg      384
64 Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val His His Tyr Met
65          115          120          125
67 ccg ccc cct gga gcc ccc tcc ttc ccc tcg cca cct act gaa ccc tcc      432
68 Pro Pro Pro Gly Ala Pro Ser Phe Pro Ser Pro Pro Thr Glu Pro Ser
69          130          135          140
71 tcc gag gtg ccc gag cag ccg tct gcc cag cca ctc cct ggg agt ccc      480
72 Ser Glu Val Pro Glu Gln Pro Ser Ala Gln Pro Leu Pro Gly Ser Pro
73 145          150          155          160
75 ccc aga aga gcc tat tac atc tac tcc ggg ggc gag aag atc ccc ctg      528
76 Pro Arg Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys Ile Pro Leu
77          165          170          175
79 gtg ttg agc cgg ccc ctg tcc tcc aac gtg gcc act ctt cag cat ctc      576
80 Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu Gln His Leu
81          180          185          190
83 tgt cgg aag acc gtc aac ggc cac ctg gac tcc tat gag aaa gtc acc      624
84 Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu Lys Val Thr
85          195          200          205
87 cag ctg ccg ggg ccc att cgg gag ttc ctg gac cag tac gat gcc ccg      672
88 Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr Asp Ala Pro
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92 Leu
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106          20          25          30
108 Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly Phe Tyr Trp
109          35          40          45
111 Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu Leu Ser Ala Glu Pro
112          50          55          60
114 Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg His Phe Phe
115 65          70          75          80
117 Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu Arg Ile Gln
118          85          90          95
120 Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg Ser Thr Gln
121          100          105          110
123 Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val His His Tyr Met
124          115          120          125
126 Pro Pro Pro Gly Ala Pro Ser Phe Pro Ser Pro Pro Thr Glu Pro Ser
127          130          135          140
129 Ser Glu Val Pro Glu Gln Pro Ser Ala Gln Pro Leu Pro Gly Ser Pro

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130 145          150          155          160
132 Pro Arg Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys Ile Pro Leu
133          165          170          175
135 Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu Gln His Leu
136          180          185          190
138 Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu Lys Val Thr
139          195          200          205
141 Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr Asp Ala Pro
142 210          215          220
144 Leu
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147 <210> SEQ ID NO: 3
148 <211> LENGTH: 2187
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150 <213> ORGANISM: murine
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153 <221> NAME/KEY: CDS
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161 atg agc cgc ccc ctg gac acc agc ctg cgc ctc aag acc ttc agc tcc      98
162 Met Ser Arg Pro Leu Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser
163          15          20          25
165 aaa agc gag tac cag ctg gtg gtg aac gcc gtg cgc aag ctg cag gag      146
166 Lys Ser Glu Tyr Gln Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu
167          30          35          40
169 agc gga ttc tac tgg agc gcc gtg acc ggc ggc gag gcg aac ctg ctg      194
170 Ser Gly Phe Tyr Trp Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu
171          45          50          55
173 ctc agc gcc gag ccc gcg ggc acc ttt ctt atc cgc gac agc tcg gac      242
174 Leu Ser Ala Glu Pro Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp
175 60          65          70          75
177 cag cgc cac ttc ttc acg ttg agc gtc aag acc cag tcg ggg acc aag      290
178 Gln Arg His Phe Phe Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys
179          80          85          90
181 aac cta cgc atc cag tgt gag ggg ggc agc ttt tcg ctg cag agt gac      338
182 Asn Leu Arg Ile Gln Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp
183          95          100          105
185 ccc cga agc acg cag cca gtt ccc cgc ttc gac tgt gta ctc aag ctg      386
186 Pro Arg Ser Thr Gln Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu
187          110          115          120
189 gtg cac cac tac atg ccg cct cca ggg acc ccc tcc ttt tct ttg cca      434
190 Val His His Tyr Met Pro Pro Pro Gly Thr Pro Ser Phe Ser Leu Pro
191          125          130          135
193 ccc acg gaa ccc tcg tcc gaa gtt ccg gag cag cca cct gcc cag gca      482
194 Pro Thr Glu Pro Ser Ser Glu Val Pro Glu Gln Pro Pro Ala Gln Ala
195 140          145          150          155

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197 ctc ccc ggg agt acc ccc aag aga gct tac tac atc tat tct ggg ggc      530
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201 gag aag att ccg ctg gta ctg agc cga cct ctc tcc tcc aac gtg gcc      578
202 Glu Lys Ile Pro Leu Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala
203              175              180              185
205 acc ctc cag cat ctt tgt cgg aag act gtc aac ggc cac ctg gac tcc      626
206 Thr Leu Gln His Leu Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser
207              190              195              200
209 tat gag aaa gtg acc cag ctg cct gga ccc att cgg gag ttc ctg gat      674
210 Tyr Glu Lys Val Thr Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp
211              205              210              215
213 cag tat gat gct cca ctt taaggagcaa aaggggcaga ggggggcctg      722
214 Gln Tyr Asp Ala Pro Leu
215 220              225
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223 ttcscctc cccagctcc agcttcttc aagtggagcc agccggcctg gctggtggg      962
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227 agggaggtgg ggacacctcc aagtgttgaa cttagaactg caaggggaat cttcaaactt      1082
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270 <213> ORGANISM: murine
272 <400> SEQUENCE: 4
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277 Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser Glu Tyr Gln
278              20              25              30

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280 Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly Phe Tyr Trp
281      35      40      45
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284      50      55      60
286 Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg His Phe Phe
287 65      70      75      80
290 Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu Arg Ile Gln
291      85      90      95
293 Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg Ser Thr Gln
294      100     105     110
296 Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val His His Tyr Met
297      115     120     125
299 Pro Pro Pro Gly Thr Pro Ser Phe Ser Leu Pro Pro Thr Glu Pro Ser
300      130     135     140
302 Ser Glu Val Pro Glu Gln Pro Pro Ala Gln Ala Leu Pro Gly Ser Thr
303 145      150      155      160
305 Pro Lys Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys Ile Pro Leu
306      165      170      175
308 Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu Gln His Leu
309      180      185      190
311 Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu Lys Val Thr
312      195      200      205
314 Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr Asp Ala Pro
315      210      215      220
317 Leu
318 225

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